

Title (en)
MULTI-CARRIER COMMUNICATIONS METHODS AND APPARATUS

Title (de)
MEHRTRÄGER-KOMMUNIKATIONSVERFAHREN UND VORRICHTUNGEN

Title (fr)
PROCEDES ET APPAREILS DE COMMUNICATION MULTIPORTEUSE

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Application
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Abstract (en)
[origin: WO2005109916A2] Methods and apparatus for implementing a multi-carrier communications system are described. Various approaches to a phased system deployment and system configurations resulting from different levels of deployment are described. In addition mobile node and methods of operating mobile nodes in communications systems that may have different levels of deployment in different cells are described.

IPC 8 full level
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Citation (search report)

- [A] DE 19747365 A1 19990429 - SIEMENS AG [DE]
- [A] CA 2270830 A1 20000416 - NEWBRIDGE NETWORKS CORP [CA]
- [A] WO 03039174 A1 20030508 - ERICSSON INC [US]
- See references of WO 2005109916A2

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